

RURAL DISTRICT

OF

SOUTH SHIELDS.

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*Annual Report*

OF THE

MEDICAL OFFICER OF HEALTH

*For the Year 1903.*



South Shields:

R. SIMPSON & SONS, PRINTERS, CHAPTER ROW.

1904.



# ANNUAL REPORT, 1903.

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TO THE RURAL DISTRICT COUNCIL OF SOUTH SHIELDS.

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GENTLEMEN,

My Annual Report for the year 1903 will give, in an abbreviated form, the work done during that time by myself and the Sanitary Inspector, for the maintenance of good health in the district. As in my last report, I have divided it into five sections, which are as follows :

- (1) Vital Statistics.
- (2) Prevalence of Infectious Diseases, and the measures taken to prevent their spread.
- (3) General Sanitation.
- (4) Sanitary Requirements.
- (5) Administration in District of Factory and Workshops Act.

Attached to the Report will be found Tables I., II., III., and IV., filled up according to the directions of the Local Government Board in their "Memorandum as to Annual Reports of Medical Officers of Health."

Owing to the same reason as stated in my Annual Report of 1903, I am unable to give all the information as regards Population asked for in Tables I. and II., on pages 23 and 24. I have made a full report on the Administration of the Factory and Workshops Act in the district.

## VITAL STATISTICS.

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The Area of the District in Acres is 12,369.

The Estimated Population to the middle of 1903 is 10,435.

The General Death Rate of the District is 15.2.

The Zymotic Death Rate from Phthisis is 0.67.

The Respiratory Rate is 2.3.

The Birth Rate is 36.2.

The Infant Mortality (under 1 year of age) is altogether 61.

Population.	Population at Census, 1901.	At present date (estimated).
Boldon .....	2,113	2,271
Boldon Colliery .....	3,290	3,434
Harton .....	600	635
Monkton .....	537	550
Whitburn .....	3,292	3,545

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## PREVALENCE OF INFECTIOUS DISEASES.

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During each month of the year 1903, the following number of cases of Infectious Diseases were notified to me from the Rural District. Those notified as occurring at the Workhouse, Harton, are shown at the foot note.

January.	6 cases—2 of these were Scarlet Fever, 1 Enteric Fever, 1 Diphtheria, 1 Erysipelas, and 1 Puerperal Fever.
March.	2 cases—1 being Diphtheria, and 1 Erysipelas.
April.	4 cases—all Scarlet Fever.
May.	12 cases—9 Scarlet Fever, 2 Erysipelas, and 1 Puerperal Fever.

June.	5 cases—3 Scarlet Fever, 1 Enteric Fever, and 1 Puerperal Fever.
July.	5 cases—2 Scarlet Fever, 1 Smallpox (imported), and 2 Enteric Fever.
August.	2 cases—2 Erysipelas.
September.	5 cases—3 Scarlet Fever and 2 Diphtheria.
October.	9 cases—8 Scarlet Fever and 1 Enteric Fever.
November.	9 cases—3 Scarlet Fever, 5 Enteric Fever, and 1 Diphtheria.
December.	10 cases—7 Scarlet Fever, 1 Enteric Fever, 1 Erysipelas, and 1 Diphtheria.

Note. In addition to the above, 1 case of Smallpox, 3 cases of Enteric Fever, 1 case of Diphtheria, and 1 of Erysipelas, were notified as having occurred at the Harton Workhouse, South Shields.

Summary. 75 cases of Infectious Diseases have been notified, being 69 cases from the Rural District, and 6 cases from the Harton Workhouse. This shows a decrease, when compared with the year 1902, 92 cases having then been notified.

11 cases of Enteric Fever from the Rural District, have been reported, 1 being from Boldon, 3 from Boldon Colliery, 6 from Whitburn, and 1 from Harton. I am unable to give any definite cause for the outbreak of these cases, although 3 of the cases from Whitburn are supposed to have been caused by eating oysters.

One case of Enteric Fever from Boldon, 2 from Boldon Colliery, 3 from Whitburn, and 3 from the Harton Workhouse, were removed to the South Shields Rural and the Southwick Hospital, situated in the Whitburn Parish. 1 case of Smallpox from Boldon (imported from Hebburn) and 1 from the Workhouse, were removed to the Whiteleas Hospital.

6 cases of Scarlet Fever, 1 from Boldon Colliery and 5 from Whitburn, were removed to the Local Hospital.

No cause for the 7 cases of Diphtheria reported can be assigned.

I regret to say that out of the 41 cases of Scarlet Fever reported, only 12 cases were allowed to go into Hospital, and perhaps this is the reason why the other 29 cases occurred.

The small number of cases of Enteric Fever is probably due to the cold, wet summer and autumn which prevailed.

The usual means to prevent the spread of Infectious Diseases have been used, such as the disinfection of houses and the fumigation of infected clothing, bedding, etc. Bedding which is not too much soiled can now be thoroughly disinfected at the Hospital for this district. In the event of any case of Smallpox being reported, it would be removed to the Whiteleas Hospital, belonging to the South Shields Corporation.

Infectious  
Diseases  
Hospital.

The joint Hospital for the South Shields Rural District and the Southwick-on-Wear Urban District, is situated on the road between Sunderland and East Boldon, and is in the Parish of Whitburn. During the year 66 patients were admitted, of which 23 were from this district, including 4 from the Harton Workhouse. As the Hospital becomes better known, the advantages of removal will be more appreciated.

Distribution  
of Infectious  
Diseases.

75 cases of Infectious Diseases have been notified during the year 1903, distributed as follows :—

(a) Boldon .....	33
(b) Boldon Colliery .....	15
(c) Whitburn .....	18
(d) Harton .....	3
(e) Harton Workhouse .....	6

# GENERAL SANITATION OF THE BOLDON, BOLDON COLLIERY, AND MONKTON DISTRICTS.

- East Boldon Station. On the testing of the drains at the East Boldon Station, and at the Stationmaster's house, they were found to be defective. They had a direct communication with a large covered-in and unventilated cesspool, which had an overflow into a stream close by, which crosses the main road. This was a source of nuisance owing to the population, and as a result of the matter being reported, the North Eastern Railway Company, after consultation with the Inspector of Nuisances, decided to carry out a filtration scheme in the place of the defective cesspool. This has now been finished, and new drains have now been laid from the Station houses, Stationmaster's house, and stables, with the necessary inspection chambers, disconnecting traps, and ventilators.
- Tile Shed Villa, East Boldon. The drains here were found to be defective, and have now been placed in a sanitary condition.
- Tile Shed Cottages, Curlew Crooks. These cottages are not in a proper sanitary condition, being without any proper drainage systems or necessary privy accommodation.
- Railway Cottages, Curlew Crooks. These cottages have been now placed in a sanitary condition, and drains into a new sewer put in during the year by the Council.
- Belle Vue Farm, East Boldon. The privies and ashpits both here and at the Hind's Cottages have been repaired.
- Harper's Buildings, West Boldon. I reported on the insanitary condition of these cottages, and the drains, ash-pits, and privies, have been put into proper order.



Railway  
Hotel, West  
Boldon.

This property having been reported upon as not being in a satisfactory sanitary condition, I am now glad to say, has been overhauled. New drains have been laid and connected with a large cesspool to the west side of the house, with the necessary inspection chambers, traps, and ventilators. A pump has been attached to the cesspool for emptying purposes. The yard has also been cemented with the slope towards a trapped gully.

The Inspector reports that, in his opinion, the whole of the surface water and washup from the Bar should be cut off from the cesspool, and be allowed to discharge into the ditch, otherwise the scavenger will be forced to empty the cesspool every week, most of the contents being clear water.

Hamilton's  
Estate  
(building)  
West Boldon

I received a complaint that night soil was being used to fill up the space below the joists of these new houses. I visited the property, and after drawing the builder's attention to the state of affairs, it was removed, and clean soil substituted.

Cleadon  
Lane  
Brickyard  
Cottages.

These 4 cottages are now in a very dilapidated condition. The walls are damp, floors rotten, and, generally speaking, in a bad state. There are no drains or ash-pit, and only one privy for 4 tenants, which is in a very unsatisfactory condition. Unless they are thoroughly repaired, I consider that it would be advisable to issue a closing order.

West House  
Farm, West  
Boldon.

Some repairs have been done to this property, but at the present time there are no drains, ash-pit, or privy accommodation.

The Square,  
West  
Boldon.

8 of these houses have been repaired and the roofs attended to, in consequence of reports to the Council by myself and the Sanitary Inspector.



- The Bank,  
West Boldon      The scavenging of the houses occupied by Turnbull, Dodds, Price, Mustard, and Taylor, is unsatisfactory, and the owners should provide galvanised iron dust-binns with handles attached.
- Tile Shed  
Crossing,  
East Boldon.      I reported that 4 cottages here were insufficiently drained. New drains have now been laid and connected with the main sewer.
- Cottage at  
East Boldon.      This cottage, occupied by Mark, has been placed in a satisfactory condition as regards drainage, and the yard has been cemented.
- White Mare  
Pool.      The open ditch sewer has been thoroughly cleaned out.
- Nicholson's  
Buildings,  
West Boldon      This block has been closed, and is now used for storing R. M. Storey's material for building purposes.
- Farm  
occupied by  
Mr. Gowans,  
East Boldon.      In August, I reported that the two privies and ash-pits at this farm, and at the Hind's Cottages were in a dilapidated condition, the roofs of the privies being without spouts, and slope towards the ash-pits, thereby rendering the bottom of the ash-pits damp, and insanitary. The liquid percolates through the foundations, causing a nuisance in the back lane. I understand that the contract for erecting earth-closets has now been completed.
- Black Bull  
Inn, East  
Boldon.      A new system of drainage should be provided here, as at present it is most unsatisfactory.
- Defective  
privies, East  
Boldon.      At the cottages in the North Road, East Boldon, occupied by Dean and Clappelow, the privies have been placed in a satisfactory condition for cleansing purposes.
- "Stay the  
Voyage,"  
East Boldon.      This cottage has been recently repaired by the Commissioners, but it is not in a satisfactory state. There is no sanitary drain, or proper water supply, and the walls of the dwelling-house should be properly ventilated to prevent the dampness which exists.

- Watermill  
House Farm. This farm should be drained into the Boldon sewer.
- Miners'  
Home, West  
Boldon. The drains here are in an unsatisfactory condition.  
An inspection chamber should be built and the drain  
should be disconnected from the cesspool.
- Defective  
ash-pits and  
privies, East  
Boldon. At Salisbury Terrace, East Boldon, and at Prospect  
Terrace, the present old-fashioned large open ash-pits  
should be converted into modern ash-closets.
- The  
Hawthorns,  
East Boldon. Most of the old-fashioned ash-pits and privies have  
recently been converted into ash-closets.
- Ferndale  
Avenue,  
East Boldon. In consequence of the back street being unpaved, it is  
impossible to cleanse the ash-pits satisfactorily, and the  
street should be paved as soon as possible. The Council  
are obtaining powers to do this.
- The Rectory,  
West Boldon. The drainage here has been re-laid and placed in a  
satisfactory state.
- Whitleas,  
(Jesmond  
Terrace.) Plans have been submitted to drain these cottages  
sufficiently.
- Private  
Houses,  
East Boldon. The drains of several of the houses in East Boldon  
have been thoroughly overhauled and placed in a  
satisfactory condition.
- Primrose  
Cottages,  
Hedworth. I reported that these four cottages were in an insani-  
tary state. They have now been thoroughly overhauled  
and repaired, the roofs made water-tight, the attics  
ceiled, windows renewed, spouts repaired, and the  
foundations attended to. The area at the back has been  
cemented, and the privies and ash-pits repaired.
- Boldon  
Colliery,  
Privy defects. Several defective privies have been repaired since  
reported upon.
- Brockley  
Whins  
Cottages. This cottage has now been closed, after I reported it  
as being in an insanitary condition.
- Coldside  
Farm, Bol-  
don Colliery. This farm, occupied by Mrs. Harrison, has been re-  
paired.

Primrose Hill Cottages      The drains here were reported as being defective. They have now been re-laid and are working satisfactorily.

Brockley Whins Farm.      This farm, occupied by Mr. Farrow, is not in a satisfactory state, but repairs are now being made, and I hope soon to be able to state that it is in a satisfactory sanitary state.

Scott's House, High Farm.      I again inspected this farm, and reported that the walls were damp. The old cow-byres and stables are deficient in light and ventilation, and the floors should be repaired and re-channelled. The drinking water, derived from a deep well, is not satisfactory. The owners are the Ecclesiastical Commissioners, and the property requires their attention.

West Fell Gate Farm.      The Hind's Cottage was reported as being in a very bad state of repair, and it has now been overhauled.

Boldon Fell Gate Cottage      A new ash-closet has been erected in the place of the old wooden one.

Insanitary Cottages at Monkton.      In August, I reported that the two cottages occupied by Graham and Atkinson, and owned by Mr. T. Young, of Tyne Dock, were in an insanitary condition. The large open ash-pit was in a delapidated condition, and too near the dwelling-houses. The yard required repaving, and the gulley in front of the cottages required cementing around. Nothing has yet been done.

Defective ash-pit and privy at Monkton.      2 new ash-closets have been built in the place of the large open ash-pit in the block owned by Mr. Lewis.

Gingling Gate, Monkton.      I reported that 4 cottages here were in need of a proper water supply, and suitable privy accommodation. 3 of these cottages are owned by Mr. Burns, of Gateshead, and the fourth by Mr. Lewis, of Grange Crescent, Sunderland. Nothing has yet been done.

## GENERAL SANITATION IN THE WHITBURN AND HARTON DISTRICTS.

- Cleadon Meadows.      The drains here have been placed in a satisfactory condition.
- Cleadon Junction Brickworks.      The cottage occupied by Roper, which was reported upon, has now been partly repaired.
- Cleadon Park Farm.      Alterations and additions have now been completed at this farm, and the drains have been laid from the stables, cow-byres, and dwelling-house, which are connected with a large covered-in cesspool, with a pump attached for emptying purposes. The old liquid tank, which used to receive the sewerage, has been done away with and the pond filled up.
- West Hall Lodge, Whitburn.      The Lodge should be properly drained. At present it drains into a ditch by the side of the main road.
- The Vicarage Cleadon.      I reported that the drains here were defective, and they have since been attended to and are now satisfactory.
- The Old Hall Cleadon.      Repairs have been done to the drains here.
- Village Pond Cleadon.      This pond was cleaned out at the latter end of the summer.
- Coast Guard Cottages, Marsden.      There cottages have now been drained into the Council's sewer.
- Halls' Property, Harton.      A new ash-closet has been erected here to replace the old defective ash-pit privy.
- Thorncliffe, Whitburn.      I was asked by the tenant of this property to make an inspection of it. The water-closet near the scullery was not altogether satisfactory, and the spouts and down-comers required attention. I saw the owner, and he informed me that he had given orders to have the water-closet removed and attention paid to the other matters complained of.

Nuisance at  
Whitburn.

Notice was given to Mr. Rowntree, a butcher, to abate a nuisance by depositing butcher's offal, etc., in the Football Field, Whitburn, and the matter was immediately removed.

Cleadon  
House  
Estate,  
Surface  
Drains.

The Inspector complains of the tapping of the sewers on this estate, giving rise on the one hand to the escape of sewer gas at these faulty connections, and, on the other hand, that the sewers have quite enough to do to carry off their contents without anything been added. He insists that the Syndicate should be compelled to lay surface drains independent of the sewers, with an outlet into the main water course in Moor Lane.

N.B.—As the builders have been tapping the Council's sewers throughout the district for private drains, without the permission of the Council, the latter have now passed a resolution prohibiting anyone tapping the same without the Council's permission, under Section 21 of the Public Health Act, 1875.

Catchpits at  
Whitburn.

Six new cast iron surface gulleys have been fixed by the side of the main roads here, in the place of defective ones. The Inspector reports that several others throughout the district are untrapped, and should be replaced by trapped ones.

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### DRAINS, SEWERS, Etc.

Harton.

The old sewer opposite the Vigilant Inn, Harton, has been taken up, extended, and re-laid deeper and lined in cement.

West Boldon

The old stone sewer at the bottom of West Boldon Bank has now been done away with, and a new 9-inch pipe sewer has replaced it.



**Whitburn.** The Inspector reports " that the old stone sewer running along Seaside Lane to the Jolly Sailor Inn is defective, and not able to contain the sewerage," and requires the Council's attention.

**Marsden Sewer Outfall.** The sewer outlet here has been carried 46 yards further seawards, and secured to the rocks. It is now in good working order.

**Cleadon Main Water Course.** The water course from Cleadon Flats, which runs west into the River Don, is choked up with vegetable matter, etc., and should be thoroughly cleaned out.

**Boldon Colliery Sewers.** These sewers have been thoroughly cleansed and flushed. They were found to be in a very choked-up state. The Inspector says " More ventilating shafts should be erected, and flushing shafts should be built at the head of each street, so that the water used would flush the whole of the streets instead of not having the top part of the street not flushed as it is at present. The sewers ought to be more frequently flushed with tap water, not colliery water. Several untrapped surface gulleys should be replaced by small cast-iron gulleys."

The main sewer from Crow's Nest to Brockley Whins has been taken up and re-laid much deeper.

**East Boldon.** A new sewer is now being laid behind Ashbrooke Terrace, East Boldon, in the place of the old one.

**New Sewers.** The following new sewers have been laid during the year :—

- (1) Hamilton Estate, South Boldon.
- (2) Extension from the Shields Road to Curlew Crooks.

- (3) New sewer on Mr. Johnson's estate, East Boldon.
- (4) Extension of main sewer, Dipe Lane, South Boldon.
- (5) Harper's Estate, East Boldon.
- (6) New sewers have been laid on the east and west side of Station Road, East Boldon, and connected to the Boldon Main.
- (7) Sewer re-laid at Primrose Hill Cottages.
- (8) Extension of sewer off West Park Road, Cleadon.  
              ,,                 ,,         Whitburn Road, Cleadon.
- (10) A main sewer is now being laid at Monkton.
- (11) An extension of the sewer on the Bede Estate, Whitburn.
- (12) New sewer extension at Whitburn. (Sir H. Williamson's Estate.)
- (14) Sewer behind Ashbrooke Terrace, East Boldon.
- (15) Sewer in Hamilton Estate, Sunderland Road, East Boldon.
- (16) Extension at Boldon Colliery from Page's Buildings.

### Manholes.

The following new manholes have been built :—

Boldon Colliery .....	1
East Boldon .....	5
South Boldon .....	1
Cleaddon .....	1
Whitburn .....	2
Harton .....	1
	—
Total .....	11



**Hydrants.** During the year the sewers have been systematically flushed from the Water Company's Mains. The following is the quantity used in each district :—

Boldon Colliery .....	156,000	gallons.
West Boldon .....	23,200	„
East Boldon .....	95,224	„
Cleadon .....	19,200	„
Whitburn .....	139,200	„
Harton .....	76,200	„
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Total .....	509,024	„
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**Meter.** Total used from Automatic Tank Cleadon, 33,600 ; giving a gross total of 542,624 gallons.

**Scavenging.** The scavenging has only been fairly well done during the year. Many complaints have been received, mostly from West Boldon, East Boldon, and Whitburn. I do not consider that the scavenging will ever be carried out successfully under the present system. The Contractors in these villages have other work to do besides the scavenging, and it is consequently neglected. It would be better if the Council provided their own men, and did the scavenging themselves.

**Nuisances.** During the year the Inspector reports that he had 243 nuisances abated, for keeping drains and yards in a filthy condition, and for throwing slop water into the ash-pits and back streets.

**Disinfectants** Disinfectants have been freely used for disinfecting houses, privies, ash-pits, and sewers.

**Slaughter Houses.** These have been inspected from time to time. They are kept clean and the walls and floors washed down regularly, and the walls lime-washed 3 or 4 times a year.

New Houses. During the year 1903, 94 houses, etc., have been built in the district, distributed as follows :—

Boldon Colliery ..	16	Marsden .....	2
Boldon .....	37	Cleadon .....	10
Whitburn .....	24	Harton .....	5

Total erected 94, and of these about 60 are occupied.

Dairies and Cowsheds. These have been systematically inspected and found to be clean and sanitary. They should be re-registered.

### GENERAL SANITATION, Etc.

The South Shields Rural District at the end of 1903 may be roughly divided into the following portions :—

- (a) Boldon and Boldon Colliery.
- (b) Whitburn, including Marsden (a colliery village) and Cleadon.
- (c) Harton Village.
- (d) Monkton and Hedworth.

The Rural District is flat and treeless, bounded on the North by Harton and Jarrow, on the East by the North Sea, on the South by the Sunderland and Southwick Districts, and on the West by Felling and Chester-le-Street Districts. Boldon District consists of residential houses, villagers, and a few miners houses, as well as farms. Boldon Colliery is essentially a colliery population, and is a flat and damp situation, with a clay sub-soil, and insufficiently drained, especially as regards surface water. Whitburn District is composed of residential houses, farms, villagers and miners houses, the village of Marsden being almost exclusively a mining village. Monkton, Hedworth, and Harton Villages consist of farms, residential population, and a sprinkling of miners. The sub-soil of the Rural District is magnesian limestone, clay, and gravel.

The remarks that I made in my report of 1902 concerning overcrowding in the mining centres, can again be made. Many new houses for the working population are being built, especially at Boldon Colliery and at Whitburn.

SUPERVISION OVER ERECTION OF NEW HOUSES is carried on by a Building Inspector appointed by the Council.

SEWERAGE AND DRAINAGE.—The sewerage and drainage for this district are sufficient for its needs, and the sewers and drains are in good condition. From Boldon, Boldon Colliery, Monkton, and Harton, the sewerage goes into the Tyne in three places, two enter the Tyne at Tyne Dock, and one near Jarrow. At Whitburn the sewerage is carried out to sea by iron pipes, beyond the low water mark.

Excrement  
Disposal.

EXCREMENT DISPOSAL.—The Rural District Council employ Contractors to do this work. The ash-closets in the district are cleaned out twice a week, and the large open ash-pits should be cleaned out every alternative week. The refuse is removed in carts, and emptied on to agricultural land, except at Marsden, where it is tipped over the sea-banks.

Water  
Supply.

WATER SUPPLY.—The water supply is by public service. The Sunderland and South Shields Water Company supply the whole district, with the exception of the outlying farms, which derive their supply from wells, many of which are not wholly satisfactory.

Source of  
Water.

SOURCE OF WATER.—From wells which have been bored for, sunk, and then pumped from these into reservoirs and distributed. The water supply is sufficient, wholesome, and, I believe, free from pollution.

It is a hard water. The water is derived from Humbleton Hill, Stoneygate, Burdon, Seaton Bank Top, Thorpe, and Ryhope.

PLACES OVER WHICH THE COUNCIL HAVE SUPERVISION.  
—Butcher shops, dairies, cowsheds, and milk shops, factories and workshops.

NUISANCES are reported by the Medical Officer of Health, and the Sanitary Inspector to the Rural District Council, and the Clerk sends in the reports to owners of properties complained of.

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### SANITARY REQUIREMENTS.

(a) A more efficient means of scavenging, especially in East Boldon. Printed sheets with names of streets, and dates for the contractors to have and fill in when the ash-pits, etc., should be cleaned out. These sheets to be filled in and signed by the contractors and returned weekly to the Inspector.

(b) Cowsheds and dairies should be re-registered.

(c) Trapped street gulleys in the place of untrapped ones.

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### FACTORIES AND WORKSHOPS' ACT.

Boldon.

The following Factories and Workshops in the district have been inspected with the following results :—

H. CODLING'S WORKSHOP, WEST BOLDON, Joiner and Cartwright.—Condition, clean and sanitary. Air space sufficient. Ventilation good. There is a privy and urinal for the use of the workmen. Fire escape good. Water supply from the mains. The Rules are posted.

R. M. STOREY'S WORKSHOP, WEST BOLDON.—Condition, clean. Air space and ventilation satisfactory. One ash-closet for the use of the workmen. Fire escape good. Water supply from the mains. Rules posted.

BROWN'S, MOUNT PLEASANT, BATH-BRICK WORKS.—Clean. Air space and ventilation satisfactory. One defective wooden privy under the store-shed for females, none for males. Fire escape good. Water supply from ponds. Rules posted in the cabin instead of in the workshop.

DANNATT'S FACTORY (PAINT), EAST BOLDON.—Clean. Air space and ventilation satisfactory. It has no privy accommodation, but, as a rule, only one man is employed. and the privy is at the cottage close at hand. Water supply good. Rules posted.

Cleadon. TILE SHED BRICKWORKS (J. T. Payne.)—At present closed.

CLEADON JUNCTION BRICKWORKS (T. D. Leinster.)—Clean. Air space and ventilation satisfactory. No sanitary convenience for either sex. Fire escape good. Water supply from ponds. Rules posted.

PALATINE BRICKWORKS (Late Hodgson's; Owner, Mr. Leinster.)—No sanitary convenience for either sex, otherwise satisfactory. Rules posted.

WHITELEAS BRICKWORKS (T. S. Winter, Tyne Dock.)—Condition, clean. Air space and ventilation satisfactory. Privy accommodation unsatisfactory. The females use the privy belonging to the cottages, and the males use a wooden one in the clay pit. Fire escape good. Water supply from ponds. Rules posted.

West  
Harton.

BRICKWORKS.—Satisfactory in all respects. Rules posted.

ROBINSON'S BRICKYARD on Newton Garth's Land.—Light and ventilation good. Clean. Two new brick privies, one for each sex have been erected. Water supply from ponds. Rules not posted.

Boldon  
Colliery.

BRICKYARD.—At present closed.

Whitburn.

WM. ALLISON'S WORKS.—Satisfactory as regards air space, cleanliness, ventilation, privy accommodation, fire escape, and water supply. Rules posted.

ELECTRIC LIGHT STATION.—Quite satisfactory. Rules posted. Brick privy.

T. SHORT AND SON, WHITBURN.—Quite satisfactory. Rules posted. Brick Privy.

PAPER MILLS, MARSDEN.—Clean, Air space and ventilation satisfactory. Brick privy for females, large and defective wooden one for males. Fire escape and water supply good. Rules not posted.

MOOR LANE BRICKWORKS, CLEADON.—Privy accommodation unsatisfactory, no proper sanitary conveniences whatever, and both sexes employed. Rules not posted.

PUMPING STATION, FARDING LAKE.—Clean. Air space and ventilation good. No privy accommodation. Fire escape and water supply satisfactory. Rules not posted.

PUMPING STATION, HARTON.—Clean. Air space and ventilation good. No privy accommodation. Fire escape and water supply satisfactory. Rules not posted.



J. JOHNSON'S JOINERY, EAST BOLDON.—Clean. Air space and ventilation good. Privy accommodation belonging to new houses used. Rules posted. The works are temporary.

I am, Gentlemen,

Yours faithfully,

WM. ARMSTRONG, L.R.C.P., &c.,

Medical Officer of Health, and Medical Officer to  
the Isolation Hospital.

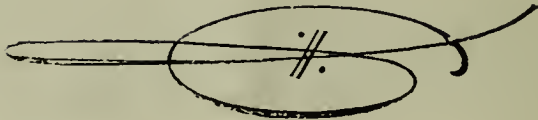




TABLE I.—VITAL STATISTICS OF WHOLE DISTRICT during 1903 and Previous Years.

Year.	Population estimated to middle of each Year.	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.				TOTAL DEATHS IN PUBLIC INSTITUTIONS IN THE DISTRICT.	Deaths of Non-residents registered in Public Institutions in the District.	Deaths of Residents registered in Public Institutions beyond the District.	NETT DEATHS AT ALL AGES BELONGING TO THE DISTRICT.	
		Number.	Rate.	Under 1 Year of Age.		At all Ages.						
				Number.	Rate per 1,000 Births registered.	Number.	Rate.					
1898 ..	14060	449	31.9	76	..	206	14.6	238	6	..	200	14.2
1899 ..	14240	461	32.3	87	..	248	17.4	164	5	1	244	17.1
1900 ..	14420	438	30.3	72	..	213	14.7	223	..	1	214	14.8
1901 ..	9860	499	34.1	92	..	247	16.9	215	2	2	247	16.9
1902 ..	10135	373	36.8	64	..	364	33.01	213	209	2	157	15.4
1903 ..	10435	378	36.2	61	..	388	37.1	233	231	2	159	15.2

Area of District in acres  
(exclusive of area  
covered by water).

12,369.

Total Population at all ages .....

10,728

Number of Inhabited Houses.....

2,400

At Census of 1901.

Average number of persons per house .

4.5

TABLE II.—VITAL STATISTICS OF SEPARATE LOCALITIES IN 1903 and Previous Years.

NAMES OF LOCALITIES	BOLDON.				BOLDON COLLIERY.				WHITEBURN.				HARTON VILLAGE.				HEDWORTH & MONKTON.				HARTON WORKHOUSE.				PRIMROSE, WHITELEAS, & S.S.R. & SOUTHWICK JOINT HOSPITAL.			
	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.
1896 ..	..	41	20	7	..	125	51	22	..	88	33	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1897 ..	..	52	24	4	..	122	51	19	..	105	35	11	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1898 ..	..	68	36	15	..	109	55	19	..	98	40	22	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1899 ..	..	59	28	6	..	121	67	31	..	104	54	14	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1900 ..	..	71	38	12	..	90	49	25	..	100	58	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1901 ..	2130	86	46	16	3340	128	67	26	3350	109	59	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1902 ..	2185	88	40	15	3354	116	46	19	3436	85	51	17	610	18	13	3	550	11	7	1	890	55	206	8	..	..	..	..
1903 ..	2271	74	30	9	3434	120	56	20	3545	138	65	23	635	18	4	2	550	1	4	1	..	27	222	6	..	7	..	..

TABLE III.—Cases of Infectious Disease Notified during the Year 1903.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.						TOTAL CASES NOTIFIED IN EACH LOCALITY.					NO. OF CASES REMOVED TO HOSPITAL FROM EACH LOCALITY.						
	At all Ages	At Ages—Years.					Baldon.	Baldon Colliery.	Whitburn.	Harton.	Hedworth & Monkton.	Harton Workhouse.	Baldon.	Baldon Colliery.	Whitburn.	Harton.	Hedworth & Monkton.	Harton Workhouse.
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.												
Smallpox .....	2	—	—	—	—	2	1	..	..	..	1	1	..	..	..	..	..	1
Cholera .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria .....	7	..	..	5	1	1	..	1	3	2	1	..	..	..	..	..	..	1
Membranous Croup ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Erysipelas .....	8	..	..	2	..	6	3	2	2	..	1	..	..	..	..	..	..	..
Scarlet Fever .....	41	1	15	21	3	1	27	7	7	..	..	6	1	5	..	..	..	..
Typhus Fever .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3
Enteric Fever .....	14	..	..	..	4	10	1	3	6	1	3	..	1	2	3	..	..	..
Relapsing Fever .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Peurperal Fever .....	3	..	..	..	1	2	1	2	..	..	..	..	..	..	..	..	..	..
Plague .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Totals .....	75	1	15	28	9	22	33	15	18	3	..	6	8	3	8	..	..	5

TABLE IV.—Causes of, and Ages at, Death during the Year 1903.

CAUSES OF DEATH.	DEATHS IN WHOLE DISTRICT AT SUBJOINED AGES.							DEATHS IN LOCALITIES (AT ALL AGES).					TOTAL DEATHS IN PUBLIC INSTITUTIONS.
	All Ages.	Under 1 Year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.	BOLDON.	BOLDON COLLIERY.	WHITBURN.	HARTON.	MONKTON AND HEDWORTH.	
Smallpox .....	..	..	..	..	..	..	..	..	..	..	..	..	3
Measles .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Scarlet Fever .....	1	..	..	1	..	..	..	..	..	1	..	..	5
Whooping Cough ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria & mem- branous croup ....	1	..	1	..	..	..	..	..	..	1	..	..	..
Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Fever { Typhus .....	..	..	..	..	..	..	..	..	..	..	..	..	..
{ Enteric .....	1	..	..	..	..	1	..	..	1	..	..	..	4
{ Other cont'd ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Epidemic influenza .	..	..	..	..	..	..	..	..	..	..	..	..	7
Cholera .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Plague .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoea .....	1	..	1	..	..	..	..	..	..	1	..	..	4
Enteritis .....	6	5	..	1	..	..	..	1	4	1	..	..	5
Puerperal Fever ....	3	..	..	..	..	3	..	1	2	..	..	..	..
Erysipelas .....	1	1	..	..	..	..	..	..	..	1	..	..	2
Other septic diseases	..	..	..	..	..	..	..	..	..	..	..	..	1
Phthisis .....	7	..	..	..	4	3	..	4	1	1	..	1	26
Other tubercular dis- eases .....	11	6	5	..	..	..	..	2	3	6	..	..	6
Cancer, malignant disease .....	13	..	..	..	..	11	2	2	8	3	..	..	12
Bronchitis .....	22	14	4	..	..	..	4	6	7	8	..	1	35
Pneumonia .....	2	1	..	..	..	..	..	..	..	2	..	..	19
Pleurisy .....	1	..	..	..	..	..	1	1	..	..	..	..	1
Other diseases of res- piratory organs...	..	..	..	..	..	..	..	..	..	..	..	..	1
Alcoholism—													
Cirrhosis of liver ..	1	..	..	..	..	1	..	..	..	1	..	..	..
Venereal diseases ...	..	..	..	..	..	..	..	..	..	..	..	..	..
Premature birth ...	14	14	..	..	..	..	..	4	6	4	..	..	..
Diseases and acci- dents of parturition	2	1	..	..	..	1	..	..	1	..	1	..	1
Heart diseases .....	17	2	..	1	..	9	5	..	9	8	..	..	14
Accidents .....	9	1	..	..	2	5	1	1	3	5	..	..	3
Suicides .....	1	..	..	..	..	1	..	..	..	..	..	1	..
All other causes ....	45	10	2	3	3	9	18	8	11	22	3	1	81
All causes .....	159	55	13	6	9	45	31	30	56	65	4	4	229